

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2003CH017	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/IB2004/004288	International filing date (day/month/year) 23/12/2004	(Earliest) Priority Date (day/month/year) 29/12/2003
Applicant CLARIANT INTERNATIONAL LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/004288

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D06P5/08 D06P5/06 C08G73/02 C08G65/24 C08G65/333

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D06P C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 639 296 A (FROTSCHER HERBERT ET AL) 1 February 1972 (1972-02-01) column 2, line 35 - line 63 column 3, line 22 - line 26; claims; example IV	1-17
A	GB 1 431 476 A (BASF AG) 7 April 1976 (1976-04-07) claims	1-17
A	US 5 371 119 A (BOHLANDER RALF ET AL) 6 December 1994 (1994-12-06) claims	1-17
A	US 4 737 576 A (BACHEM HENNING ET AL) 12 April 1988 (1988-04-12) cited in the application the whole document	1-17
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

25 July 2005

Date of mailing of the international search report

02/08/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/004288

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 422 683 A (NIHON SURFACTANT KOGYO KK) 17 April 1991 (1991-04-17) the whole document -----	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/004288

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3639296	A	01-02-1972	DE 1619084 A1	06-05-1970
			CH 533719 B	13-10-1972
			CH 46668 A	13-10-1972
			DE 1619082 A1	12-02-1970
			FR 1554934 A	24-01-1969
			NL 6717148 A ,B	15-07-1968
GB 1431476	A	07-04-1976	DE 2246434 A1	11-04-1974
			BE 805010 A1	19-03-1974
			CH 565276 B	15-08-1975
			CH 1336273 A	28-02-1975
			FR 2200399 A1	19-04-1974
			GB 1431482 A	07-04-1976
			IT 996175 B	10-12-1975
			NL 7312915 A	25-03-1974
US 5371119	A	06-12-1994	JP 4088019 A	19-03-1992
			AU 8104591 A	18-02-1992
			WO 9201729 A1	06-02-1992
			EP 0540541 A1	12-05-1993
US 4737576	A	12-04-1988	DE 3609985 A1	01-10-1987
			EP 0238948 A2	30-09-1987
			JP 62232426 A	12-10-1987
EP 0422683	A	17-04-1991	JP 3130480 A	04-06-1991
			EP 0422683 A1	17-04-1991